PRODUCT DATASHEET
DP CBO 1500 V 50W MS 840 IP66 GY

DAMP PROOF COMBO | Damp-proof luminaires with IK10 and IP66 protection and Multi Select function

VALUE CLASS

Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Plug & Upgrade concept for easy conversion to sensor or emergency luminaire
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating

Product features

- High luminous efficacy: up to 153 lm/W
- Type of protection: IP66
- Impact resistance: IK10
- Luminous flux: up to 9,000 lm
- Push wire terminal for tool-free connection
- Lifetime (L70/B50) up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -20…+40 °C
- Through wiring possible

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TECHNICAL DATA

Electrical data

Nominal wattage	50 W / 42 W / 33 W / 25 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	222mA / 188mA / 150mA / 118 mA
Inrush current	16.08 A
Inrush current time T_{h50}	118 µs
Max. number of luminaires per miniature circuit breaker B16	41
Max. number of luminaires per miniature circuit breaker C10	31
Max. number of luminaires per miniature circuit breaker C16	49
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	7500 lm / 6340 lm / 5010 lm / 3820 lm
Luminous efficacy	150 lm/W / 151 lm/W / 152 lm/W / 153 lm/W
Color temperature	4000 K / 6500 K
Light color (designation)	Cool White / Cool Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	< 5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °

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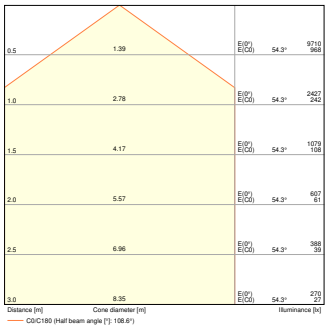

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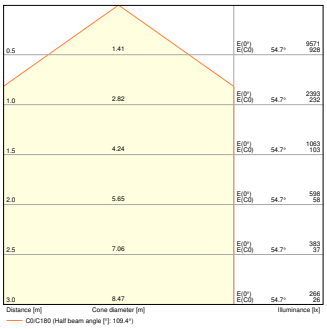

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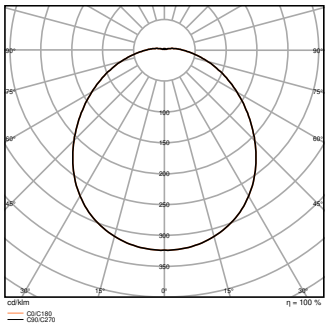

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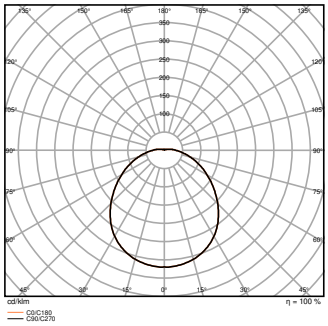

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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
50 W	4000 K	7500 lm	150 lm/W
50 W	6500 K	7500 lm	150 lm/W
42 W	4000 K	6340 lm	151 lm/W
42 W	6500 K	6340 lm	151 lm/W
33 W	4000 K	5010 lm	152 lm/W
33 W	6500 K	5010 lm	152 lm/W
25 W	4000 K	3820 lm	153 lm/W
25 W	6500 K	3820 lm	153 lm/W

Dimensions & Weight

Length	1570.00 mm
Width	97.00 mm
Height	78.00 mm
Product weight	1730.00 g

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Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Push-in
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	54000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	36000 h

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Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	25000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	190mA / 250mA / 310mA / 360 mA

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately

Certificates & Standards

Standards	CE / CB / ERP / UKCA / EAC
Ball shot safe	No

Additional product data

Added function	MULTI SELECT

Accessories Optional

Product image	Product name	EAN
	DP BATTEN CBO SENSOR LS PD 8 MW INT	4099854521461
	DP BATTEN CBO EL CG 200V 3H MT AT	4099854521430
	DP BATTEN CBO EL BAT 6.4V 1.8AH 2WH	4099854521515

EQUIPMENT / ACCESSORIES

- Plug & Upgrade high frequency sensor and emergency kit separately available
- Mounting screws and dowels included

Safety advice

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– Values of type of protection, impact resistance and ambient temperature range may differ depending on the installation of the components.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	DP CBO
PDF	Legal information	DP COMBO
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	Legal Insert DP CBO AND BATTEN CBO
PDF	Declarations of conformity	DP CBO
PDF	Declarations of conformity UKCA	DP CBO

	Photometric and lighting design files	Document name
IES	IES file (IES)	DP CBO 1500 V 50W MS 840 IP66 GY
IES	IES file (IES)	DP CBO 1500 V 50W MS 865 IP66 GY
LDT	LDT file (Eulumdat)	DP CBO 1500 V 50W MS 840 IP66 GY
LDT	LDT file (Eulumdat)	DP CBO 1500 V 50W MS 865 IP66 GY
	UGR file (UGR table)	DP CBO 1500 V 50W MS 840 IP66 GY
	UGR file (UGR table)	DP CBO 1500 V 50W MS 865 IP66 GY
	Light distribution curve type cone	DP CBO 1500 V 50W MS 840 IP66 GY
	Light distribution curve type cone	DP CBO 1500 V 50W MS 865 IP66 GY
	Light distribution curve type polar	DP CBO 1500 V 50W MS 840 IP66 GY
	Light distribution curve type polar	DP CBO 1500 V 50W MS 865 IP66 GY

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	CAD/BIM files	Document name
	BIM Revit 3D	DP COMBO
	CAD STEP 3D	DP COMBO 1500

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854521393	Folding box 1	1,578 mm x 103 mm x 86 mm	2066.00 g	13.98 dm^3
4099854521409	Shipping box 4	1,596 mm x 221 mm x 186 mm	9264.00 g	65.61 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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